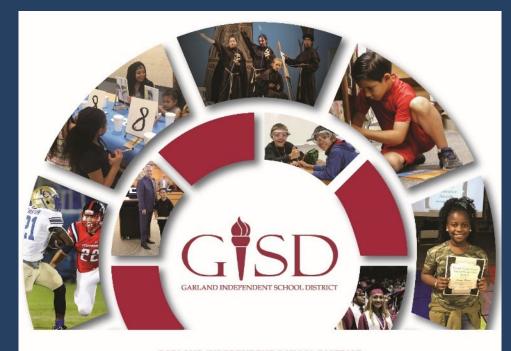
### Long-Range Facilities Master Plan

Garland Independent School District

November 16th, 2022, Citizen Bond Steering Committee Planning Meeting #4





**GARLAND INDEPENDENT SCHOOL DISTRICT** 

# LONG-RANGE FACILITIES MASTER PLAN

Facilities Condition Assessment Educational Adequacy Assessment Capital Planning

July 2022 Update



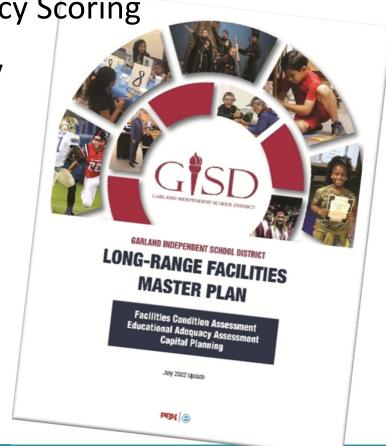


### Agenda / Introduction / Background / Perspective



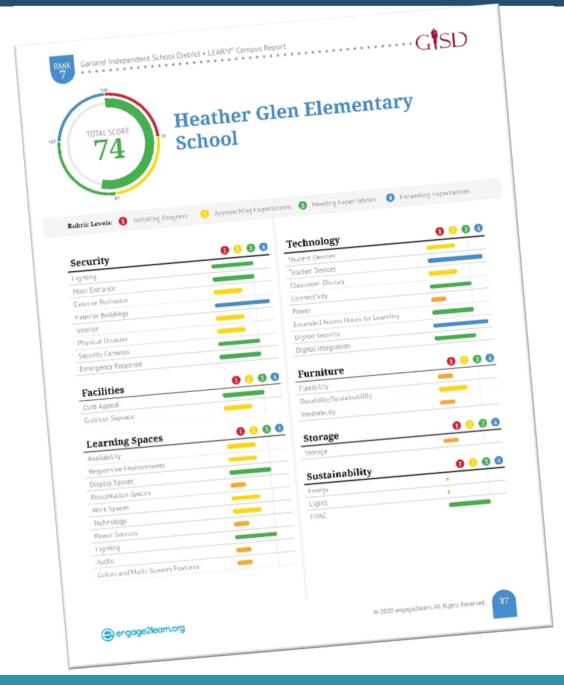
### <u>Agenda</u>

- 1. Welcome and Introductions
- 2. Recap of Campus Educational Adequacy Scoring
- 3. Recap of FCI vs. Educational Adequacy
- 4. Recap of Priority 1 Examples
- 5. Major Projects Review
- 6. Decision Matrix
- 7. Next Steps



### **Educational Adequacy**







### **Educational Adequacy**



### **LEARN®** Rubric Campus Scoring

#### **LEARN Rubric Scoring Breakdown**

Initiating Progress
0-33 Points

Approaching Expectations
34-66 Points

Meeting Expectations 67-106 Points

Exceeding Expectations 107-138 Points

Security	0 2 3 4
Lighting	
Main Entrance	•
Exterior Perimeter	-
Exterior Buildings	-
Interior	
Physical Disaster	
Security Cameras	-
Emergency Response	



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## **LRMP Sample Campus Study**



# HEATHER GLEN ELEMENTARY SCHOOL

PROPOSED WORK ITEMS: SUMMARY REPORT

(RS)				
595,754	\$6,419,544	\$9,015,298	\$132,124	\$2,897,137
390,101	20 700 766	\$2,765,013		\$9,812,402
25,247		\$1,464,694		\$3,063,304
		\$2,949,899		\$768,604
	\$2,461,540	\$0		\$1,459,162
		\$16,831		\$891,077
				\$851,544
se25 987				\$89,205
	\$42,078		\$89,205	\$379,198
2005/2-11				
	\$25,247 \$873,923 \$488,351 \$625,987 \$582,247	\$25,247 \$2,739,766 873,923 \$590,772 \$488,351 \$2,461,548 \$16,831 \$625,987 \$189,350 \$42,078	\$2,739,766 \$2,765,013 \$73,923 \$590,772 \$1,464,894 \$873,923 \$2,461,548 \$2,949,899 \$488,351 \$16,831 \$16,831 \$16,831 \$16,831 \$625,987 \$189,350 \$815,337 \$42,078 \$624,324	\$2,739,766 \$2,765,013 \$8,347,708 \$8,347,708 \$8,347,708 \$1,464,894 \$8,347,708 \$13,923 \$2,461,548 \$0 \$768,604 \$0 \$16,831 \$16,831 \$16,831 \$15,740 \$8625,987 \$189,350 \$815,337 \$27,220 \$8227,220 \$42,078 \$624,324 \$89,205

Food Service LIFE-CYCLE NEEDS P1 & P2 TOTAL COST: \$1,202,129 EDUCATIONAL ADEQUACY NEEDS P1 & P2 needs shown above does not represent the total P1 and P2 needs







Facilities Condition Assessment // July 2022 Update

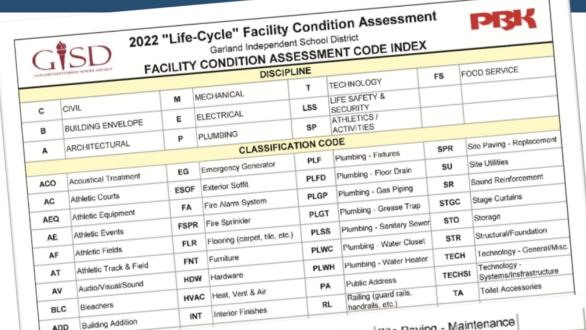


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### LRMP Process





		ADD	Building A			Interior Finishes	SPM	Site Paving - Maintenance
ELGR	Electrical Gear				Plumbing	nd Equipment g - Domestic	0	Site Paving - New
-15	Electrical - Ger	neral/Mi	isc.	PLDW	Water	DIORITY/SEC	QUENCING	S CODE
	Major Projects	s: Items	that ha	ave been	planned or	r already designat ncy: 1 - 2 years)	ed as project	
MP 1	Must Do: Criti	cal Rep	olaceme	elilo elle	Program N	leed - (Life Expec	tancy: 3 - 5	vetoscv: 6 - 10 years)
2	Should Do: C	urricula	ir, Instri urricula	ar, Instruc	tional, Pro	gram Enhanceme	ent - (Life Ex) At This Time	pectancy: 6 - 10 years) e (Life Expectancy: 11 + years)
3	Future Consi	ideratio	n: Not	To Be Ad	dressed W	Vith Bond Funding		
IP.	In Progress					Dispussound Equipmen	SPM S	Site Paving - Maintenance

				And in case of the last of the		
			Playground Equipment		Site Paving - Maintenance	
ELGR	Electrical Gear	-	Plumbing - Domestic		Site Paving - New	
	Floctrical - General/Misc.	PLDW	Water PRIORITY/SEC	QUENCING	G CODE	
		ave been	planned or already designat	ed as projec	xs.	
MP Major Projects: Items that have been planned or already designated as projects.  MP Major Projects: Items that have been planned or already designated as projects.  Must Do: Critical Replacements - (Life Expectancy: 1 - 2 years)  Must Do: Critical Replacements - (Life Expectancy: 3 - 5 years)						
MP Major Projection   Must Do: Critical Replacements - (Life Expectancy: 1 - 2 years)  1 Must Do: Critical Replacements - (Life Expectancy: 3 - 5 years)  2 Should Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 6 - 10 years)						
1 Must Do: Critical Replacements 2 Should Do: Curricular, Instructional, Program Need - (Life Expectancy: 5 - 10 years) 3 Would Like to Do: Curricular, Instructional, Program Enhancement - (Life Expectancy: 11 + years) 4 Future Consideration: Not To Be Addressed With Bond Funding At This Time (Life Expectancy: 11 + years)						
Would Like to Do; Curricular, Instructional, 1 With Bond Funding At This Time (Life Experience)						
4	Future Consideration: Not	10 00 710				
-						



### LRMP Sampling of Priority 1 Improvement Items



### Sampling of High School P1's

- Library Expansions at Sachse, S. Garland, Rowlett and Memorial Pathway
- Replace Auditorium Catwalks at all HS's
- Dance Room Renovations and Additions
- Various Interior Renovations
- Upgrade interior doors and hardware at various campuses
- Roofs Replacement Life Cycles
- Replace Fire Alarm Systems at various campuses

- Security Camera upgrades
- Convert All Softball and Baseball Fields to Turf
- Replace Rooftop DX Units at S. Garland, Garland, N. Garland, Lakeview
- Various Mechanical, Electrical and Plumbing Renovations
- Upgrade Building HVAC Controls



### LRMP Sampling of Priority 1 Improvement Items



### Sampling of Middle School P1's

- Locker Room Additions at Austin, Hudson, Lyles, Houston, Jackson, O'Banion
- Library Expansions or Renovations at All Campuses
- Roofs Replacement Life Cycles and Exterior Waterproofing at Various Campuses
- Replace Fire Alarm at Hudson, Lyles, Schrade, O'Banion, Brandenburg, Austin

- Security Camera upgrades
- Add Perimeter Fencing at All Campuses
- Replace Existing Art Kilns at Multiple Campuses
- Various Mechanical, Electrical and Plumbing Renovations
- Upgrade interior doors and hardware at various campuses
- Upgrade Building HVAC Controls



### LRMP Sampling of Priority 1 Improvement Items



### **Sampling of Elementary School P1's**

- New Playgrounds at All Campuses
- Library Expansions and Renovations
- Administration Expansions and Renovations
- Add Perimeter Fencing at All Campuses
- Roofs Replacement Life Cycles and Exterior Waterproofing at Various Campuses
- Replace Fire Alarm at various Campuses

- Security Camera upgrades
- Upgrade interior doors and hardware at various campuses
- Various Sidewalk and Paving Repairs
- General Mechanical, Electrical and Plumbing Renovations
- Upgrade Building HVAC Controls





### **Major Projects**

- 1) New 400 Student Pre-K School
- Elementary School Replacement
- 3) Middle School Replacement
- 4) New PAC
- 5) New Network Operations Center (NOC)
- 6) New Transportation Center
- 7) New Employee Clinic
- 8) New Printshop
- 9) New Ag Facility
- 10) GRCTC Addition
- 11) Fieldhouse Additions

- 12) Multipurpose Activity Centers
- 13) Rowlett Model Open Concept
- 14) Back Model Open Concept
- 15) Club Hill Model Open Concept
- 16) Spring Creek Open Concept
- 17) Remove Portables at HS
- 18) Remove Portables at MS
- 19) Remove Portables at ES
- 20) Secure Access Classroom Door Hardware
- 21) Add Security Film at Entries
- 22) Lakeview CTE Rebuild





#### New 400 Student Pre-K School

Total Construction Cost	\$15,675,000
Construction Non-Contract Cost:	\$1,567,500
Furniture & Equipment:	\$627,000
Technology:	\$548,625
A & E Fee:	\$940,500
Total Project Cost 2022 Dollars	\$19,358,625
Total Project Cost 2023 Dollars	\$22,262,419
Total Project Cost 2024 Dollars	\$24,933,909
Total Project Cost 2025 Dollars	\$27,177,961
The following items are included in the estimated Construction	on Cost:
New Pre-K School	\$14,250,000
Design and Estimating Contingency	\$1,425,000





#### New 800 Student Replacement Elementary School

Total Construction Cost	\$39,253,917
Construction Non-Contract Cost:	\$3,925,392
Furniture & Equipment:	\$1,570,157
Technology:	\$1,373,887
A & E Fee:	\$2,355,235
Total Project Cost 2022 Dollars	\$48,478,588
Total Project Cost 2023 Dollars	\$55,750,376
Total Project Cost 2024 Dollars	\$62,440,421
Total Project Cost 2025 Dollars	\$68,060,059
The following items are included in the estimated Construction Cost:	
Phased Rebuild of Existing Elementary School	\$34,560,000
<ul> <li>Demolition of Existing Building - Includes Abatement</li> </ul>	\$800,000
<ul> <li>Allowance for Detention Requirements for Increased Impervious Area</li> </ul>	\$750,000
<ul> <li>Cost for phased construction on an occupied campus</li> </ul>	\$722,200
<ul> <li>Cost for Temporary Utilities and Temporary Site Access</li> </ul>	\$552,483
Design and Estimating Contingency	\$1,869,234





#### Middle School Replacement

Total Construction Cost	\$70,604,872			
Construction Non-Contract Cost:	\$7,060,487			
Furniture & Equipment:	\$2,824,195			
Technology:	\$2,471,171			
A & E Fee:	\$4,236,292			
Total Project Cost 2022 Dollars	\$87,197,017			
Total Project Cost 2023 Dollars	\$100,276,569			
Total Project Cost 2024 Dollars	\$112,309,757			
Total Project Cost 2025 Dollars	\$122,417,636			
The following items are included in the estimated Construction Cost:				
New Middle School	\$63,000,000			
<ul> <li>Demolition of Existing Building - Includes Abatement</li> </ul>	\$1,200,000			
<ul> <li>Allowance for Detention Requirements for Increased Impervious Area</li> </ul>	\$750,000			
Area	\$750,000			





#### **District Performing Arts Center**

Total Construction Cost	\$45,788,518
Construction Non-Contract Cost:	\$4,578,852
Furniture & Equipment:	\$1,602,598
Technology:	\$915,770
A & E Fee:	\$2,747,311
Total Project Cost 2022 Dollars	\$55,633,050
Total Project Cost 2023 Dollars	\$63,978,007
Total Project Cost 2024 Dollars	\$71,655,368
Total Project Cost 2025 Dollars	\$78,104,351
The following items are included in the estimated Construction C	ost:
The following items are included in the estimated Construction Constru	s29,892,000
District Performing Arts Center - Auditorium 1,200 seats	\$29,892,000
District Performing Arts Center - Auditorium 1,200 seats     District Performing Arts Center - Theater 450 seats	\$29,892,000 \$10,732,500





#### **New Network Operations Center (NOC)**

Total Construction Cost	\$15,790,500			
Construction Non-Contract Cost:	\$1,579,050			
Furniture & Equipment:	\$631,620			
Technology:	\$1,105,335			
A & E Fee:	\$947,430			
Total Project Cost 2022 Dollars	\$20,053,935			
Total Project Cost 2023 Dollars	\$23,062,025			
Total Project Cost 2024 Dollars	\$25,829,468			
Total Project Cost 2025 Dollars	\$28,154,120			
The following items are included in the estimated Construction Cost:				
New Network Operations Center (NOC)	\$12,250,000			
<ul> <li>NOC Allowance (This cost includes the premium for the following included in the NOC space: equipment, raised floor system, fire supression system, HVAC, power and access control. Does not include network gear.)</li> </ul>	\$2,105,000			
Design and Estimating Contingency	\$1,435,500			





#### **New Transportation Center**

Total Construction Cost	\$23,352,531
Construction Non-Contract Cost:	\$2,335,253
Furniture & Equipment:	\$934,101
Technology:	\$817,339
A & E Fee:	\$1,401,152
Total Project Cost 2022 Dollars	\$28,840,376
Total Project Cost 2023 Dollars	\$33,166,433
Total Project Cost 2024 Dollars	\$37,146,404
Total Project Cost 2025 Dollars	\$40,489,581
The following items are included in the estimated Construction	tion Cost:
Demo Concrete Paving	\$952,500
Demo Buildings	\$450,000
New Transportation Center	\$11,550,000
Transportation offices, support spaces and bus maintenance bays	
Bus Concrete Parking, Underground Drainage, and	
Lighting	\$6,500,000
Auto Concrete Parking, Underground Drainage, and	
Lighting	\$1,800,000
Fueling Station	\$1,200,000
Bus Wash (brushless system assumed)	\$210,000
Detention Requirements (assume above ground)	\$1,488,750
Design and Estimating Contingency	\$603,781





#### **New Employee Clinic**

Total Construction Cost	\$3,960,000
Construction Non-Contract Cost:	\$396,000
Furniture & Equipment:	\$158,400
Technology:	\$277,200
A & E Fee:	\$237,600
Total Project Cost 2022 Dollars	\$5,029,200
Total Project Cost 2023 Dollars	\$5,783,580
Total Project Cost 2024 Dollars	\$6,477,610
Total Project Cost 2025 Dollars	\$7,060,594
The following items are included in the estimated Construct	ion Cost:
<ul> <li>Estimated Cost for Purchase and Renovation of Existing Space</li> </ul>	\$3,600,000
Design and Estimating Contingency	\$360,000





#### **New Printshop**

Total Construction Cost	\$4,358,750
Construction Non-Contract Cost:	\$435,875
Furniture & Equipment:	\$174,350
Technology:	\$305,113
A & E Fee:	\$261,525
Total Project Cost 2022 Dollars	\$5,535,613
Total Project Cost 2023 Dollars	\$6,365,954
Total Project Cost 2024 Dollars	\$7,129,869
Total Project Cost 2025 Dollars	\$7,771,557
The following items are included in the estimated Construc	tion Cost:
New Printshop Building	\$3,962,500
Design and Estimating Contingency	\$396,250





#### New Ag Facility

Total Construction Cost	\$16,520,963
Construction Non-Contract Cost:	\$991,258
Furniture & Equipment:	\$413,024
Technology:	\$413,024
A & E Fee:	\$991,258
Total Project Cost 2022 Dollars	\$19,329,526
Total Project Cost 2023 Dollars	\$22,228,955
Total Project Cost 2024 Dollars	\$24,896,430
Total Project Cost 2025 Dollars	\$27,137,108
The following items are included in the estimated Construc	ction Cost:
Animal Barns	\$14,400,000
Ag Education Building	\$585,000
Site development, Detention	\$749,250.0
Design and estimating contingency	\$786,713





#### Gilbreath-Reed Career and Technology Center Addition

Project Cost Worksheet

Total Construction Cost	\$13,991,250
Construction Non-Contract Cost:	\$1,399,125
Furniture & Equipment:	\$559,650
Technology:	\$489,694
A & E Fee:	\$839,475
Total Project Cost 2022 Dollars	\$17,279,194
Total Project Cost 2023 Dollars	\$19,871,073
Total Project Cost 2024 Dollars	\$22,255,602
Total Project Cost 2025 Dollars	\$24,258,606

#### The following items are included in the estimated Construction Cost:

<ul> <li>Expansion for 31,000 sqft. (Two story on the East, One story on</li> </ul>	
the West) to accommodate growth and program interrest.	\$13,175,000
Site Development	\$150,000
Design and estimating contingency	\$666,250





#### Fieldhouse Addition at High Schools

Total Construction Cost	\$10,009,125
Construction Non-Contract Cost:	\$600,548
Furniture & Equipment:	\$200,183
Technology:	\$200,183
A & E Fee:	\$600,548
Total Project Cost 2022 Dollars	\$11,610,585
Total Project Cost 2023 Dollars	\$13,352,173
Total Project Cost 2024 Dollars	\$14,954,433
Total Project Cost 2025 Dollars	\$16,300,332
The following items are included in the estimated Construction Cost.	<del>.</del>
New Fieldhouse	\$9,300,000
<ul> <li>Detention for Added Impervious Area (assume above ground)</li> </ul>	\$232,500
Design and Estimating Contingency	\$476,625





#### **Multipurpose Activity Center at High Schools**

Total Construction Cost	\$13,011,863
Construction Non-Contract Cost:	\$780,712
Furniture & Equipment:	\$260,237
Technology:	\$260,237
A & E Fee:	\$780,712
Total Project Cost 2022 Dollars	\$15,093,761
Total Project Cost 2023 Dollars	\$17,357,825
Total Project Cost 2024 Dollars	\$19,440,764
Total Project Cost 2025 Dollars	\$21,190,432
The following items are included in the estimated Construction Cost:	
<ul> <li>New indoor multipurpose activity facility (80yd, one endzone, safety zones, band striping, padded walls, multipurpose netting, exhaust fans,</li> </ul>	
heater)	\$12,090,000
Detention for Added Impervious Area (assume above ground)	\$302,250
Design and Estimating Contingency	\$619,613





# Rowlett Elementary Prototype Classroom and Library Open Concept Security Improvements

Rowlett, Toler, Northlake, Hickman
Project Cost Worksheet

Total Construction Cost	\$7,885,625
Construction Non-Contract Cost:	\$788,563
Furniture & Equipment:	\$315,425
Technology:	\$275,997
A & E Fee:	\$473,138
Total Project Cost 2022 Dollars	\$9,738,747
Total Project Cost 2023 Dollars	\$11,199,559
Total Project Cost 2024 Dollars	\$12,543,506
Total Project Cost 2025 Dollars	\$13,672,422
The following items are included in the estimated Construction Cost:	
Classroom Area Gut and Renovation	\$5,596,250
Library/Core Gut and Renovation	\$1,572,500
Design and Estimating Contingency	\$716,875





# Back Elementary Prototype Classroom and Library Open Concept Security Improvements

Back, Luna, Shugart,
Project Cost Worksheet

Total Construction Cost	\$7,936,500
Construction Non-Contract Cost:	\$793,650
Furniture & Equipment:	\$317,460
Technology:	\$277,778
A & E Fee:	\$476,190
Total Project Cost 2022 Dollars	\$9,801,578
Total Project Cost 2023 Dollars	\$11,271,814
Total Project Cost 2024 Dollars	\$12,624,432
Total Project Cost 2025 Dollars	\$13,760,631
The following items are included in the estimated Construction Cost:	
Classroom Area Gut and Renovation	\$6,475,000
Library/Core Gut and Renovation	\$740,000
Design and Estimating Contingency	\$721,500





# Club Hill Elementary Prototype Classroom and Library Open Concept Security Improvements

Club Hill, Davis, Ethridge, Vial Project Cost Worksheet

Total Construction Cost	\$7,794,050
Construction Non-Contract Cost:	\$779,405
Furniture & Equipment:	\$311,762
Technology:	\$272,792
A & E Fee:	\$467,643
Total Project Cost 2022 Dollars	\$9,625,652
Total Project Cost 2023 Dollars	\$11,069,500
Total Project Cost 2024 Dollars	\$12,397,839
Total Project Cost 2025 Dollars	\$13,513,645
The following items are included in the estimated Construction Cost:	
Classroom Area Gut and Renovation	\$6,382,500
Library/Core Gut and Renovation	\$703,000
Design and Estimating Contingency	\$708,550





# Spring Creek Elementary Prototype Classroom and Library Open Concept Security Improvements

\$5,291,000
\$529,100
\$211,640
\$185,185
\$317,460
\$6,534,385
\$7,514,543
\$8,416,288
\$9,173,754
\$4,255,000
\$555,000
\$481,000





# New Secure Access Classroom Door Hardware (TEA Recommendations)

Total Construction Cost	\$11,666,160
Construction Non-Contract Cost:	\$233,323
Furniture & Equipment:	\$0
Technology:	\$0
A & E Fee:	\$699,970
Total Project Cost 2022 Dollars	\$12,599,453
Total Project Cost 2023 Dollars	\$14,489,371
Total Project Cost 2024 Dollars	\$16,228,095
Total Project Cost 2025 Dollars	\$17,688,624
The following items are included in the estimated Construction Co	ost:
Replace High School classroom (only) hardware with "storage room" function hardware set.	\$3,168,000
<ul> <li>Replace Middle School Classroom (only) hardware with "storage room" function hardware set.</li> </ul>	\$2,464,000
Replace Elementary School Classroom (only) hardware with "storage room" function hardware set.      Design and estimating contingency for door modification or	\$5,170,000
<ul> <li>Design and estimating contingency for door modification or replacement as needed.</li> </ul>	\$864,160





#### Add Security Glazing Film at Main and Secondary Entries

Total Construction Cost	\$2,216,245
Construction Non-Contract Cost:	\$44,325
Furniture & Equipment:	\$0
Technology:	\$0
A & E Fee: Total Project Cost 2022 Dollars	\$132,975 <b>\$2,393,544</b>
•	
Total Project Cost 2023 Dollars	\$2,752,576
Total Project Cost 2024 Dollars	\$3,082,885
Total Project Cost 2025 Dollars	\$3,360,345
The following items are included in the estimated Construction Cost	:
<ul> <li>Add hardened glazing film to existing main and secondary entries at all High Schools</li> </ul>	\$400,000
<ul> <li>Add hardened glazing film to existing main and secondary entries at all Middle Schools</li> </ul>	\$360,000
<ul> <li>Add hardened glazing film to existing main and secondary entries at all Elementary Schools</li> </ul>	\$1,152,000
<ul> <li>Add hardened glazing film to existing main and secondary entries at special service facilities including Pre-Ks, GRCTC,etc.)</li> </ul>	\$140,000
<ul> <li>Design and estimating contingency for door modification or replacement as needed.</li> </ul>	\$164,165





### **Lakeview Centennial CTE Replacement**

Rebuild of Lakeview Centennial CTE Areas was originally identified in the database as a P2.

The Committee is now provided with a Major Project Decision for Rebuild of Lakeview Centennial CTE.

Demo and Rebuild 30,000 sqft CTE and Support Spaces. \$ 25,244,800 (2024 Bid Date)



### LRMP Project Checklist Homework





#### 2022 Citizen Bond Steering Committee

**Garland Independent School District** 

	High Schools Priority 1 Improvements	Projected Bid Day Cost	YES	NO
1)	Garland High School	\$45,196,898	20	
2)	Lakeview Centennial High School	\$68,585,772		
3)	Memorial Pathway Academy	\$28,582,144		
4)	Naaman Forest High School	\$30,203,309		
5)	North Garland High School	\$39,450,600		
6)	Rowlett High School	\$40,399,497		
7)	Sachse High School	\$32,102,810		
8)	South Garland High School	\$87,438,453		
	Total High School P1s	\$371,959,482		
	Middle Schools Priority 1 Improvements	Projected Bid Day Cost	YES	N
1)	Austin Academy for Excellence	\$10,154,047		
2)	Classical Center at Brandenburg Middle School	\$8,012,246		
3)	Bussey Middle School	\$7,124,932	1-1	
4)	Coyle Middle School	¢4 265 270		

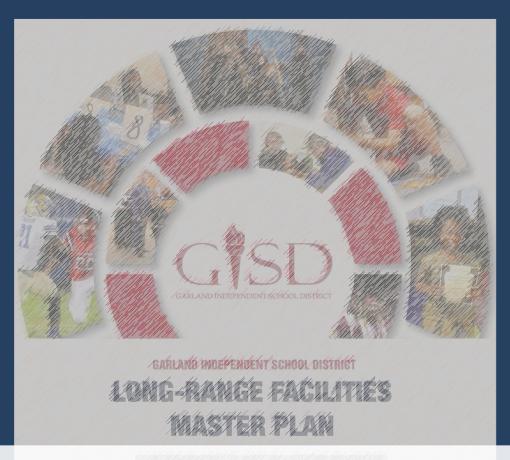


### Long-Range Facilities Master Plan

Garland Independent School District

November 16th, 2022, Citizen Bond Steering Committee Planning Meeting #4





# Thank You Questions//Discussion

